

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,156	08/01/2006	Tiancun Xiao	66307-373-7	9209
25269	7590 01/16/2008	EXAMINER		
DYKEMA GOSSETT PLLC FRANKLIN SQUARE, THIRD FLOOR WEST			KATAKAM, SUDHAKAR	
1200 I STREET NW		PAPER NUMBER		
WASIIING	1011, DC 20003		1621	
			MAIL DATE	DELIVERY MODE
		•	01/16/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/588,156	XIAO, TIANCUN				
Office Action Summary	Examiner	Art Unit				
	Sudhakar Katakam	1621				
The MAILING DATE of this communication appeared for Reply	ears on the cover sheet with t	he correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period with the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	TE OF THIS COMMUNICATE 6(a). In no event, however, may a reply ill apply and will expire SIX (6) MONTHS cause the application to become ABANI	FION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 01 Au	igust 2006.					
	action is non-final.		•			
·						
closed in accordance with the practice under Ex	x parte Quayle, 1935 C.D. 1	1, 453 O.G. 213.				
Disposition of Claims	•					
4) Claim(s) 1-21 is/are pending in the application.		·				
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)☐ Claim(s) is/are rejected.	· · · · · · · · · · · · · · · · · · ·					
7) Claim(s) is/are objected to.	•					
8) Claim(s) 1-21 are subject to restriction and/or e	lection requirement.					
	•					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the d	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the Exa	aminer. Note the attached O	ffice Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	have been received. have been received in Applety documents have been received (PCT Rule 17.2(a)).	ication No ceived in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/M	mary (PTO-413) ail Date mal Patent Application				
Paper No(s)/Mail Date	0) <u> </u>					

10/588,156 Art Unit: 1621

DETAILED ACTION

Lack of Unity

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-18, drawn to a process for initiating a reaction between methanol and a peroxide to produce a gas.

Group II, claim(s) 19-21, drawn to an apparatus for carrying out a reforming reaction.

- 2. The inventions listed as Groups I-II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the process for initiating a reaction between methanol and a peroxide to produce a gas can be make using materially different process or apparatus. Alternatively the apparatus for carrying out a reforming reaction can be used for other materially different gases. Each of the above groups is belongs to a divergent subject matter, and there is no common technical feature to combine the groups, and hence the restriction is proper.
- 3. In view of the complex nature of the restriction requirements, a written restriction requirement is hereby made.
- 4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

Application/Control Number:

10/588,156 Art Unit: 1621

or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sudhakar Katakam whose telephone number is 571-272-9929. The examiner can normally be reached on M-F 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on 571-272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SK

J. PARSA PRIMARY EXAMINER

d. P 2008